

Title: Solar Concentration Transmission System

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OverviewCurrent technologyComparison between CSP and other electricity sourcesHistoryCSP with thermal energy storageDeployment around the worldCostEfficiencyCSP is used to produce electricity (sometimes called solar thermoelectricity, usually generated through steam). Concentrated solar technology systems use mirrors or lenses with tracking systems to focus a large area of sunlight onto a small area. The concentrated light is then used as heat or as a heat source for a conventional power plant (solar thermoelectricity). The solar concentrators use...

The paper presents a systematic computer simulation work on a first-it-kind of solar light concentration and transmission system for applications in light-driven air dehumidification ...

Since the four holograms convert light in different directions, the interlayer crosstalk is reduced, and the system has a high concentration ratio. The simulation results show that the ...

With a single-axis sun-tracking system, this configuration enables the mirrors to track the sun from east to west during the day, which ensures that the ...

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